

Case No. : GTS20221124022-1-4	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2022.12.08	Test Engineer: Jenny zeng

Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	22.160	5168.920	5191.080	---	---
		5200	23.000	5188.600	5211.600	---	---
		5240	23.040	5228.680	5251.720	---	---
11N20SISO	Ant1	5180	23.560	5167.840	5191.400	---	---
		5200	23.040	5188.560	5211.600	---	---
		5240	23.440	5228.640	5252.080	---	---
11N40SISO	Ant1	5190	41.760	5169.280	5211.040	---	---
		5230	42.960	5208.800	5251.760	---	---
11AC20SISO	Ant1	5180	23.960	5167.800	5191.760	---	---
		5200	22.880	5188.520	5211.400	---	---
		5240	23.240	5228.360	5251.600	---	---
11AC40SISO	Ant1	5190	43.280	5168.640	5211.920	---	---
		5230	42.400	5209.120	5251.520	---	---
11AC80SISO	Ant1	5210	83.200	5168.880	5252.080	---	---
11AX20SISO	Ant1	5180	22.360	5168.840	5191.200	---	---
		5200	22.680	5188.120	5210.800	---	---
		5240	22.720	5228.560	5251.280	---	---
11AX40SISO	Ant1	5190	43.040	5168.800	5211.840	---	---
		5230	41.440	5209.360	5250.800	---	---
11AX80SISO	Ant1	5210	82.720	5168.400	5251.120	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



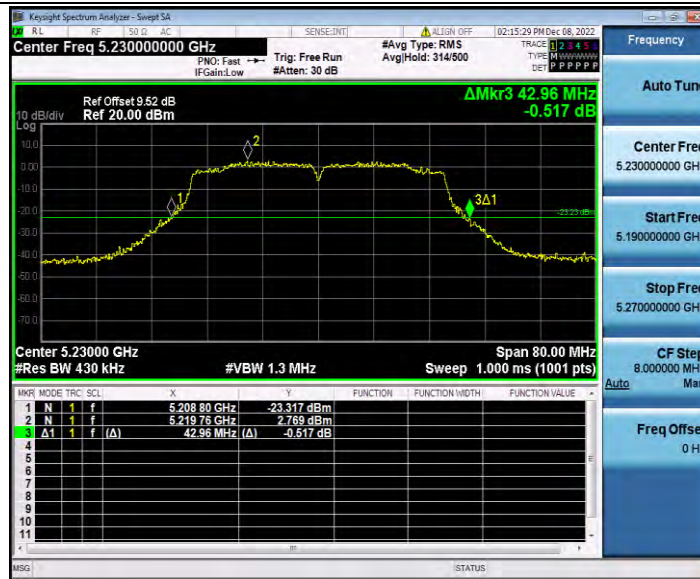
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



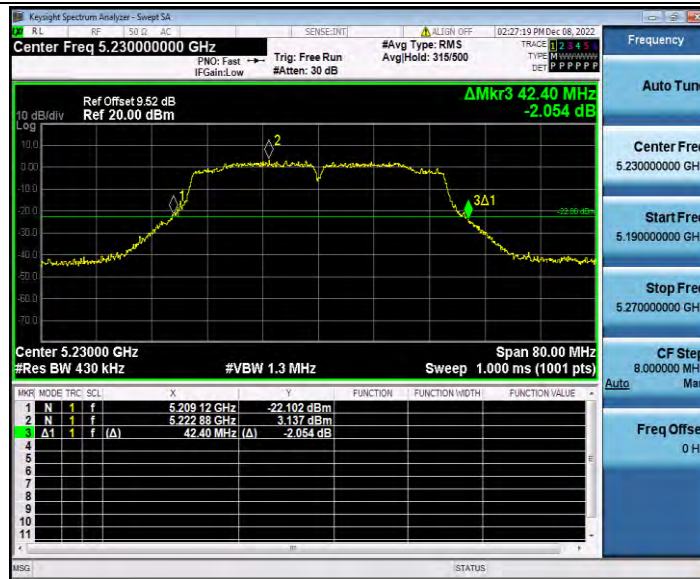
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



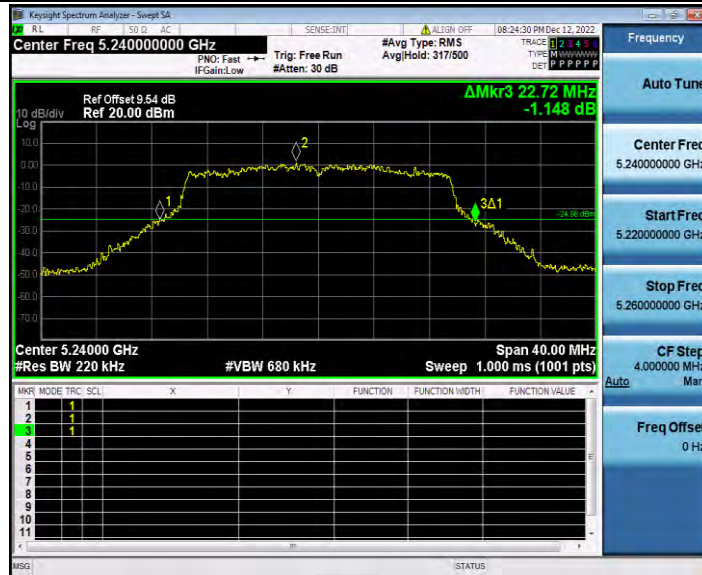
11AX20SISO_Ant1_5180



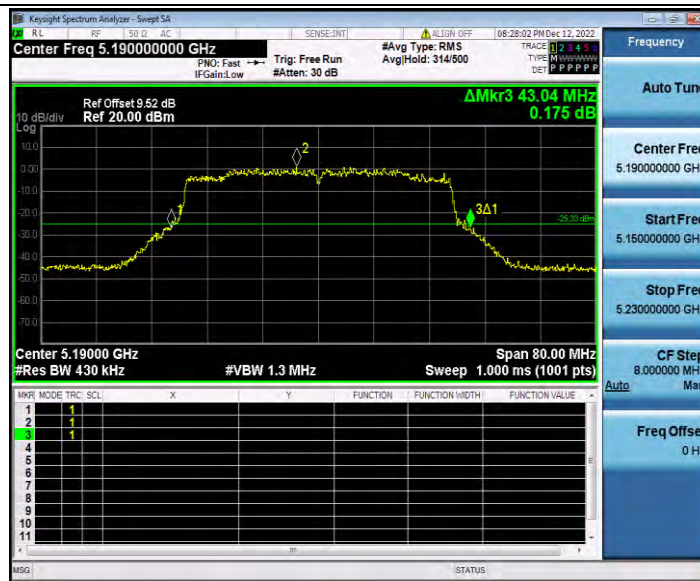
11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



Appendix D.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.991	5171.498	5188.489	---	---
		5200	16.993	5191.508	5208.501	---	---
		5240	16.984	5231.480	5248.464	---	---
11N20SISO	Ant1	5180	18.004	5171.003	5189.007	---	---
		5200	18.027	5191.021	5209.048	---	---
		5240	18.016	5230.979	5248.995	---	---
11N40SISO	Ant1	5190	36.242	5171.907	5208.149	---	---
		5230	36.267	5211.859	5248.126	---	---
11AC20SISO	Ant1	5180	17.990	5171.017	5189.007	---	---
		5200	18.044	5190.986	5209.030	---	---
		5240	18.030	5230.960	5248.990	---	---
11AC40SISO	Ant1	5190	36.212	5171.932	5208.144	---	---
		5230	36.242	5211.888	5248.130	---	---
11AC80SISO	Ant1	5210	75.177	5172.420	5247.597	---	---
11AX20SISO	Ant1	5180	18.966	5170.536	5189.502	---	---
		5200	18.991	5190.499	5209.490	---	---
		5240	19.013	5230.529	5249.542	---	---
11AX40SISO	Ant1	5190	37.698	5171.142	5208.840	---	---
		5230	37.576	5211.241	5248.817	---	---
11AX80SISO	Ant1	5210	76.858	5171.617	5248.475	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



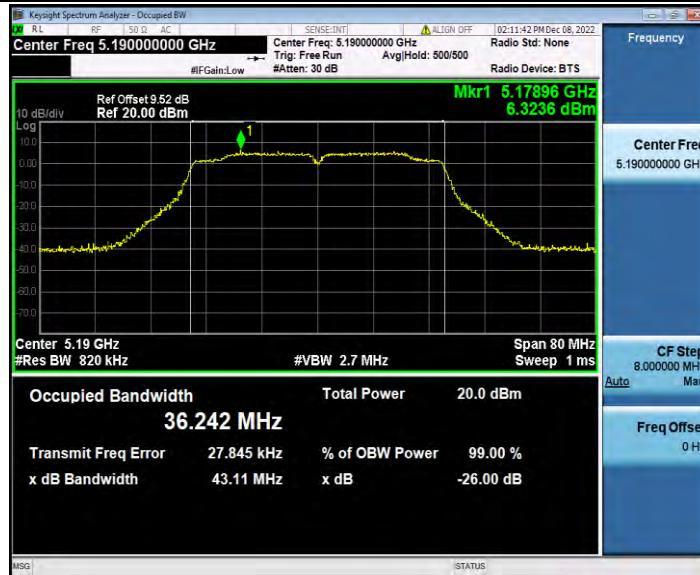
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



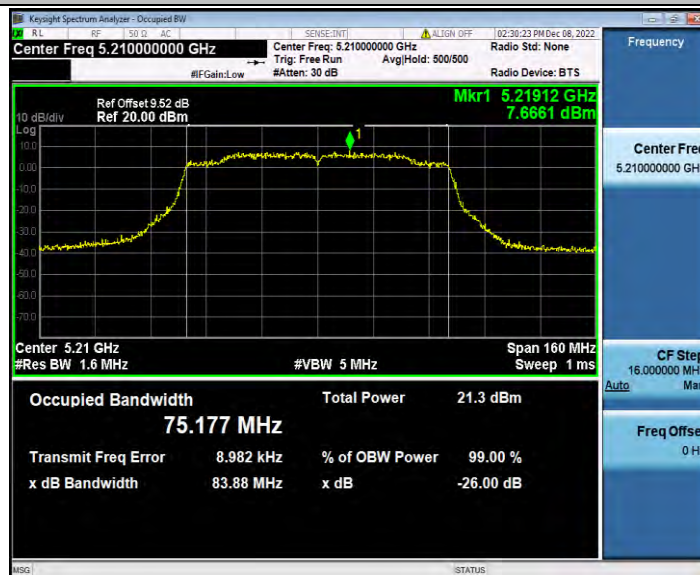
11AC40SISO_Ant1_5190



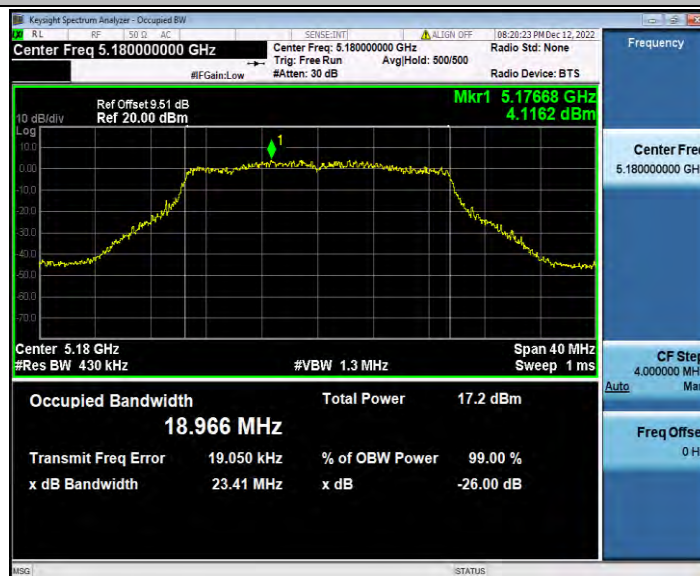
11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



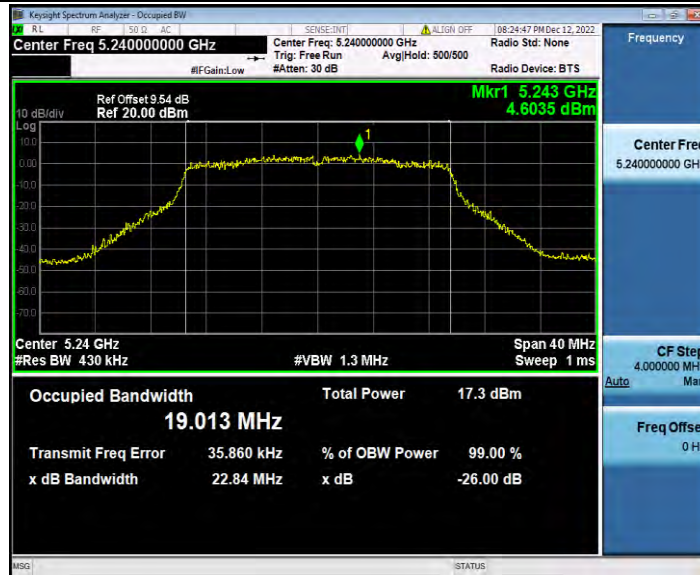
11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



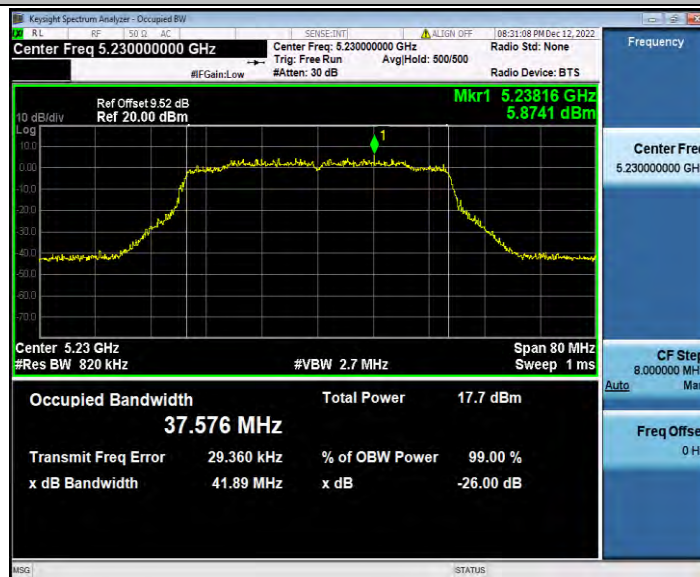
11AX20SISO_Ant1_5240



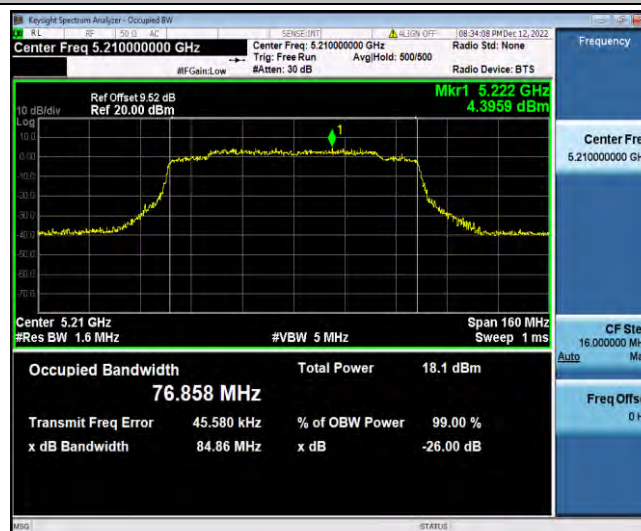
11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210



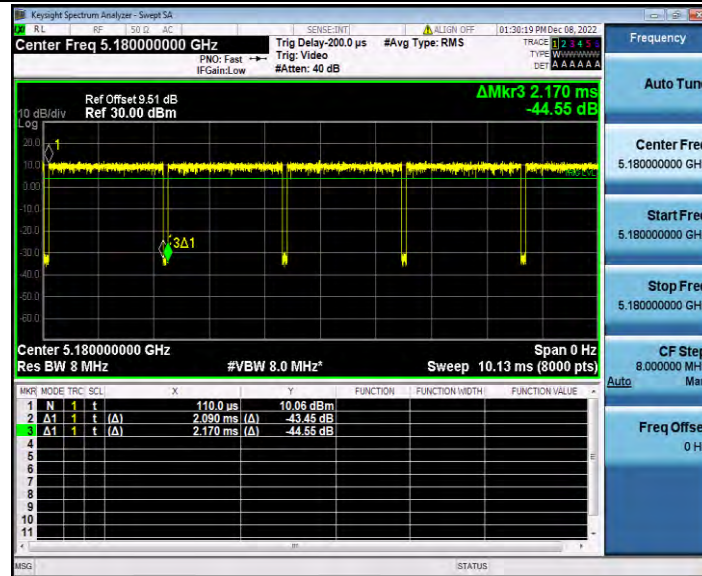
Appendix D.4: Duty Cycle

Test Result

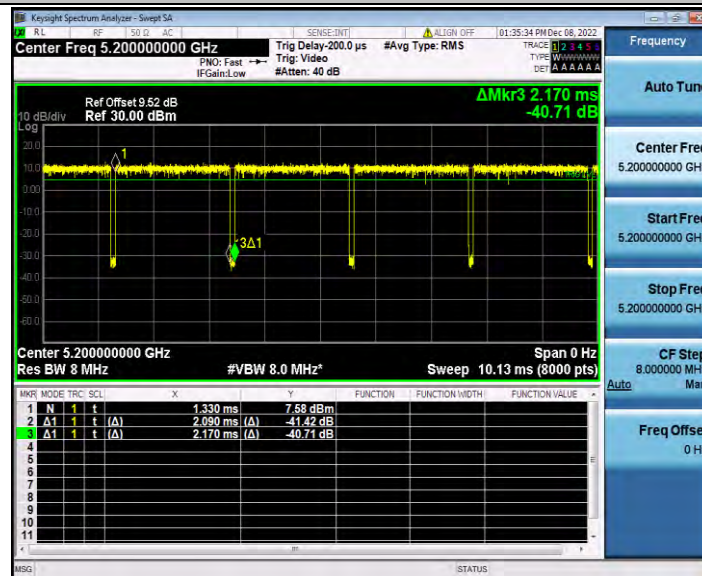
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	2.09	2.17	96.31
		5200	2.09	2.17	96.31
		5240	2.09	2.17	96.31
11N20SISO	Ant1	5180	7.93	8.02	98.88
		5200	7.93	8.02	98.88
		5240	7.94	8.02	99.00
11N40SISO	Ant1	5190	7.94	8.02	99.00
		5230	7.93	8.02	98.88
11AC20SISO	Ant1	5180	7.92	8.01	98.88
		5200	7.93	8.02	98.88
		5240	7.92	8.01	98.88
11AC40SISO	Ant1	5190	7.91	8.00	98.88
		5230	7.91	8.00	98.88
11AC80SISO	Ant1	5210	7.93	8.02	98.88
11AX20SISO	Ant1	5180	0.30	0.34	88.24
		5200	0.30	0.33	90.91
		5240	0.29	0.33	87.88
11AX40SISO	Ant1	5190	0.30	0.34	88.24
		5230	0.30	0.34	88.24
11AX80SISO	Ant1	5210	0.30	0.34	88.24

Test Graphs

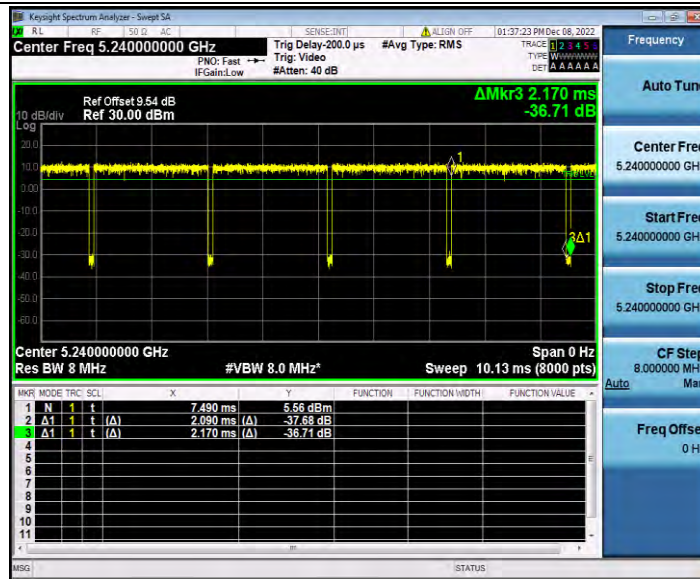
11A_Ant1_5180



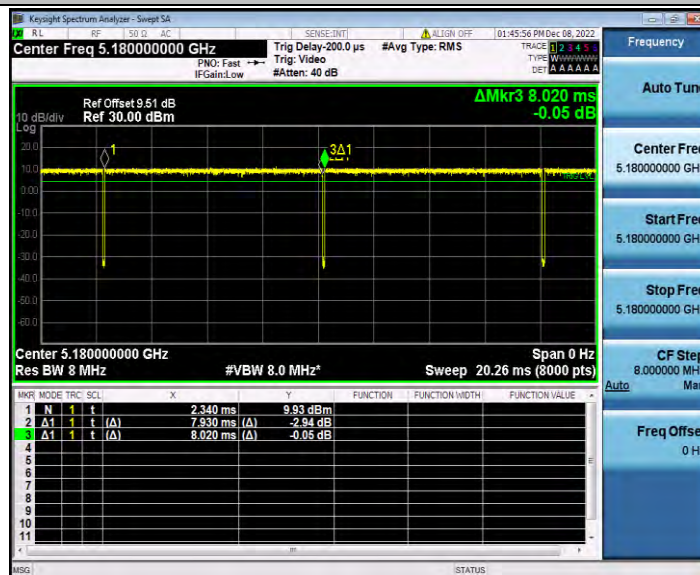
11A_Ant1_5200



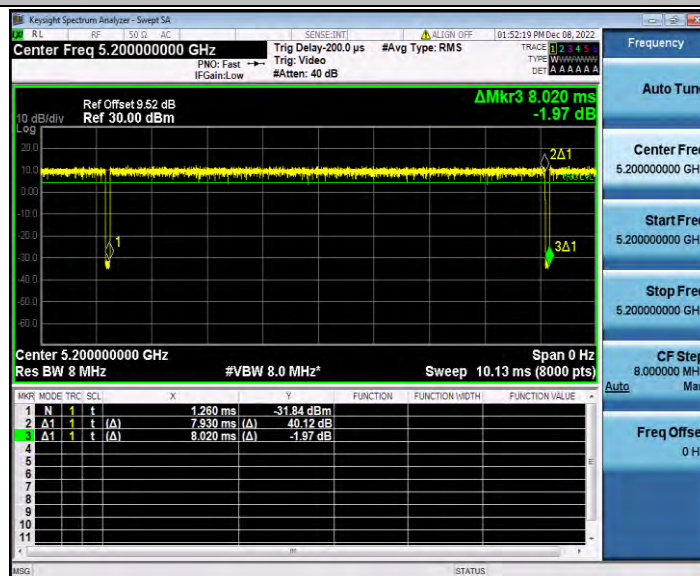
11A_Ant1_5240



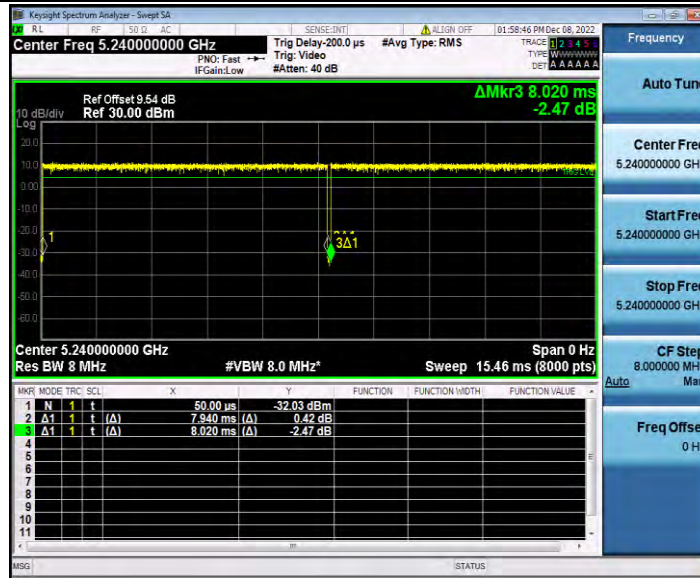
11N20SISO_Ant1_5180



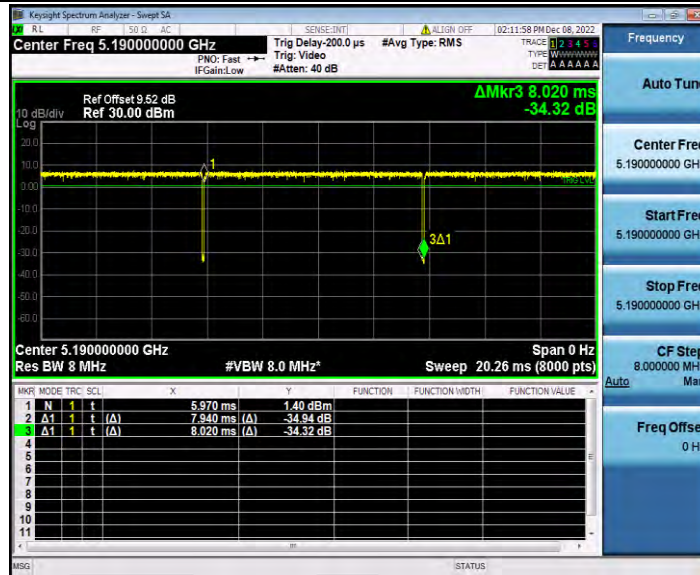
11N20SISO_Ant1_5200



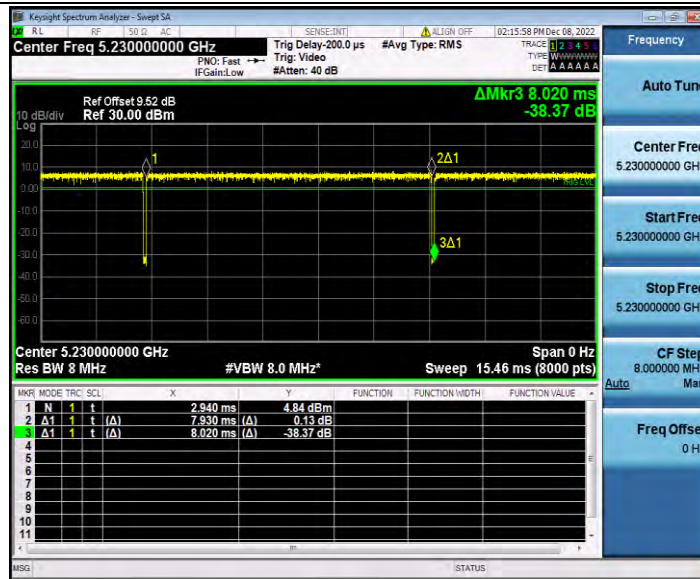
11N20SISO_Ant1_5240



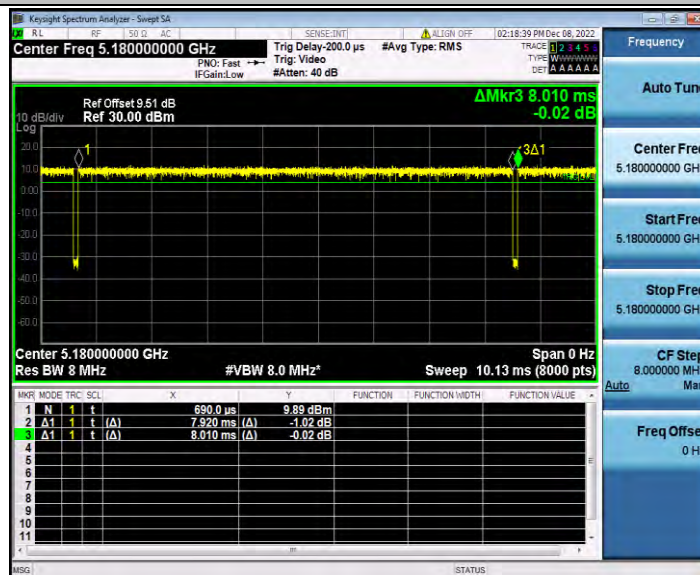
11N40SISO_Ant1_5190



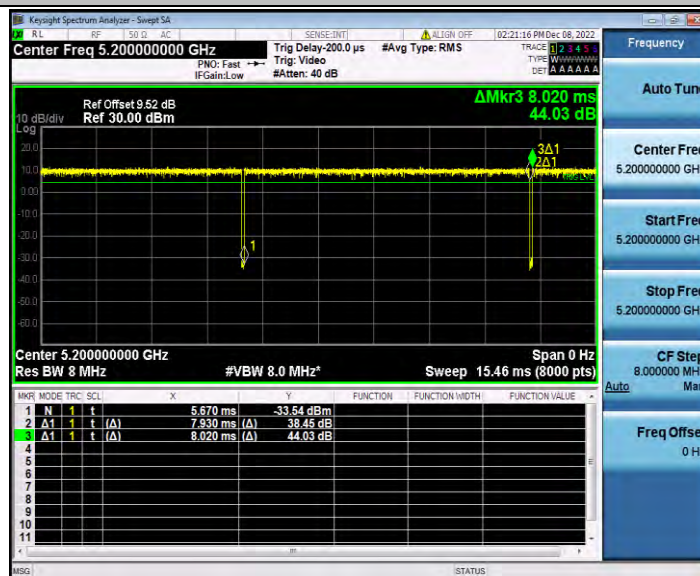
11N40SISO_Ant1_5230



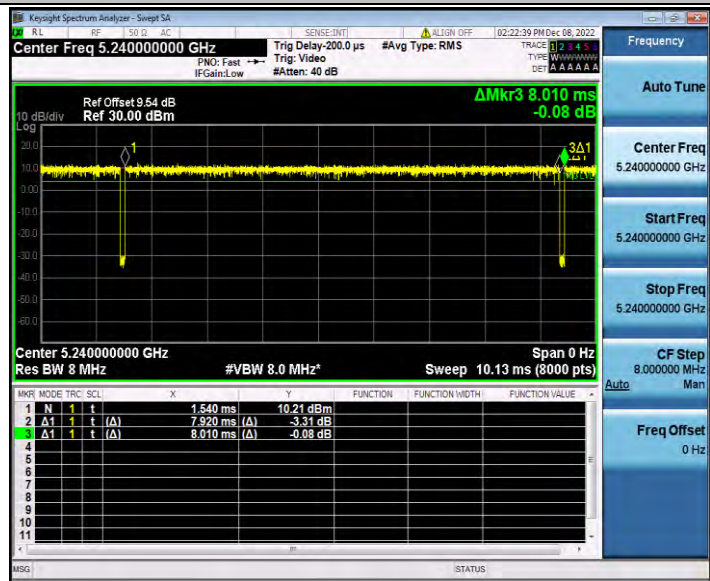
11AC20SISO_Ant1_5180



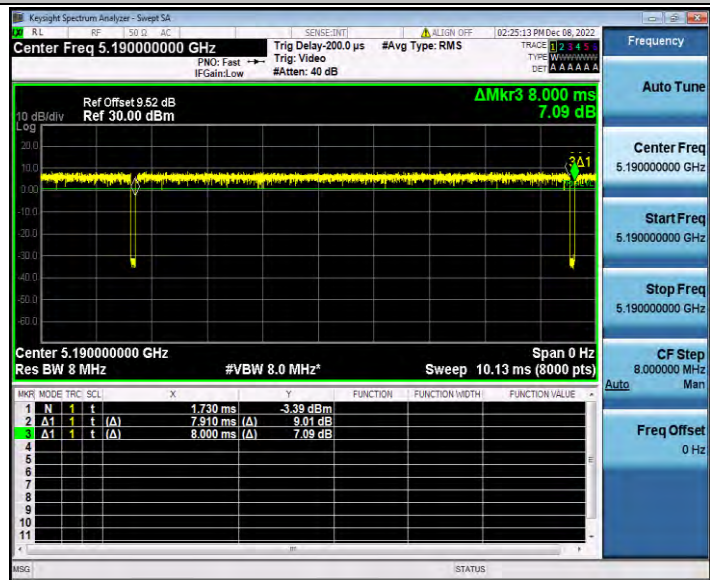
11AC20SISO_Ant1_5200



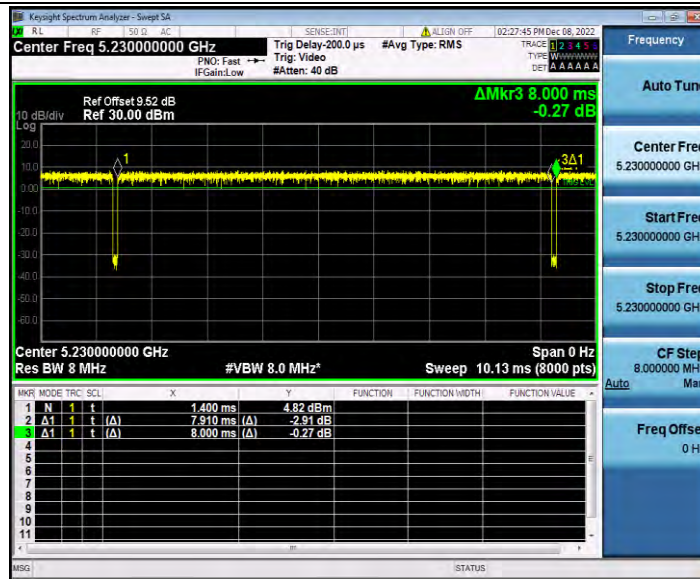
11AC20SISO_Ant1_5240



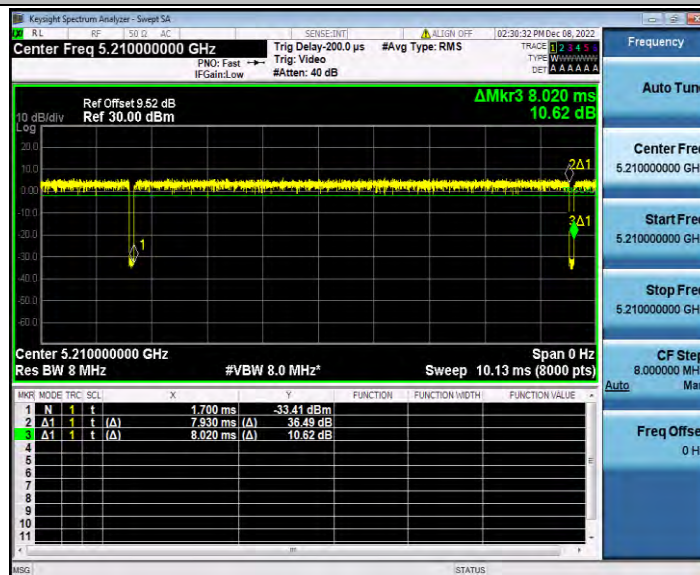
11AC40SISO_Ant1_5190



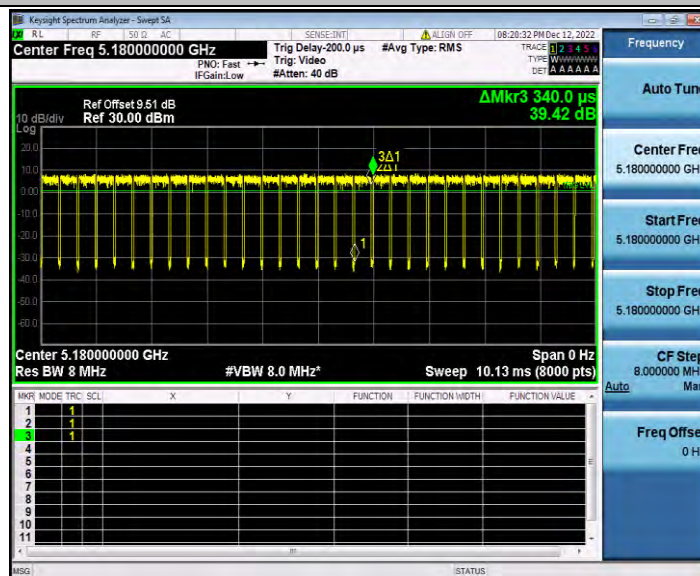
11AC40SISO_Ant1_5230



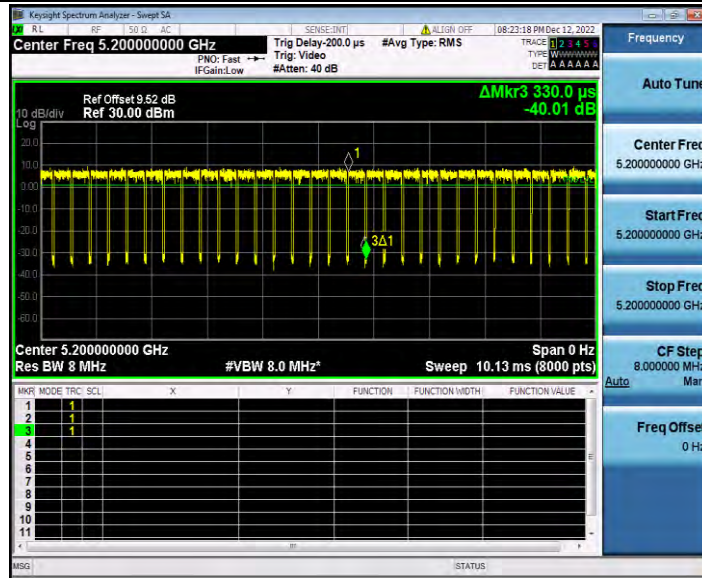
11AC80SISO_Ant1_5210



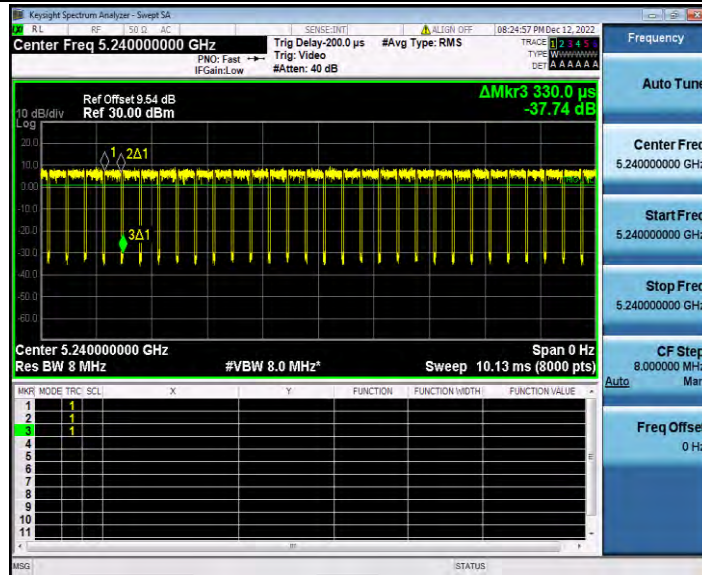
11AX20SISO_Ant1_5180



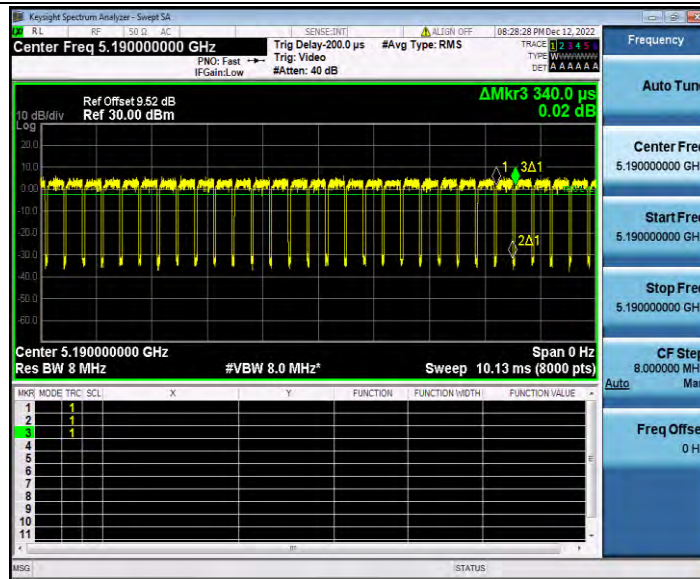
11AX20SISO_Ant1_5200



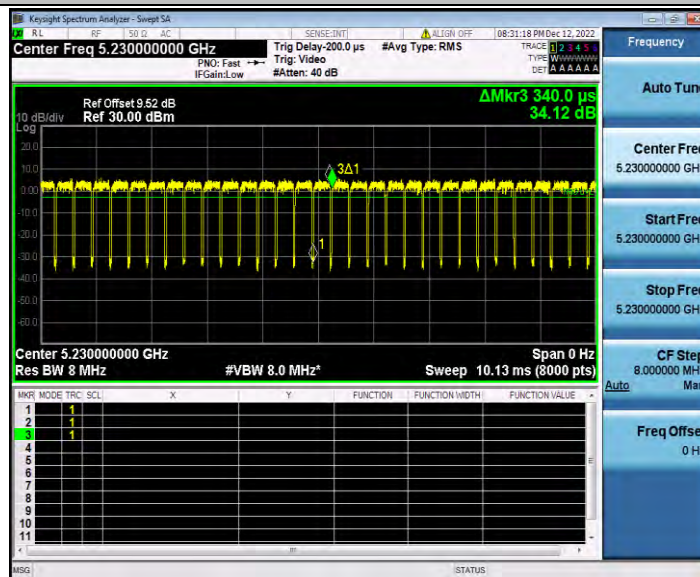
11AX20SISO_Ant1_5240



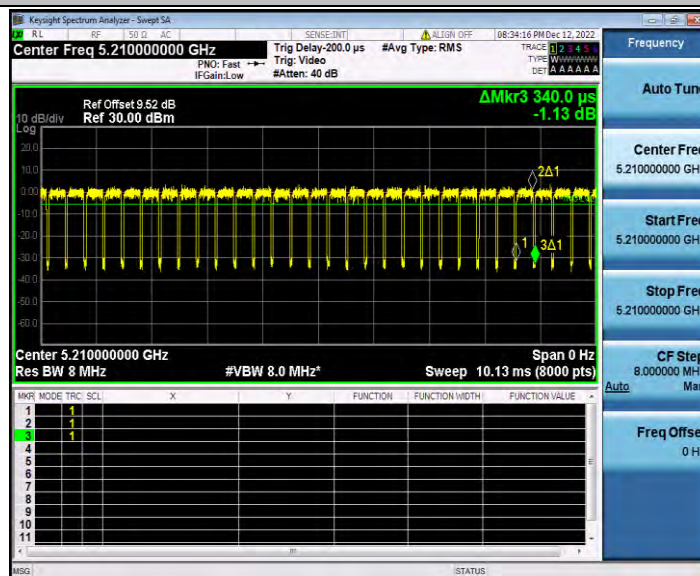
11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210



Appendix D.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	11.89	96.31	0.16	12.05	≤23.98	PASS
		5200	12.32	96.31	0.16	12.48	≤23.98	PASS
		5240	12.16	96.31	0.16	12.32	≤23.98	PASS
11N20SISO	Ant1	5180	12.06	98.88	0.05	12.11	≤23.98	PASS
		5200	12.29	98.88	0.05	12.34	≤23.98	PASS
		5240	12.10	99.00	0.04	12.14	≤23.98	PASS
11N40SISO	Ant1	5190	12.34	99.00	0.04	12.38	≤23.98	PASS
		5230	12.36	98.88	0.05	12.41	≤23.98	PASS
11AC20SISO	Ant1	5180	11.99	98.88	0.05	12.04	≤23.98	PASS
		5200	12.25	98.88	0.05	12.30	≤23.98	PASS
		5240	12.07	98.88	0.05	12.12	≤23.98	PASS
11AC40SISO	Ant1	5190	12.30	98.88	0.05	12.35	≤23.98	PASS
		5230	12.34	98.88	0.05	12.39	≤23.98	PASS
11AC80SISO	Ant1	5210	12.35	98.88	0.05	12.40	≤23.98	PASS
11AX20SISO	Ant1	5180	8.51	88.24	0.54	9.05	≤23.98	PASS
		5200	8.64	90.91	0.41	9.05	≤23.98	PASS
		5240	8.74	87.88	0.56	9.30	≤23.98	PASS
11AX40SISO	Ant1	5190	8.47	88.24	0.54	9.01	≤23.98	PASS
		5230	8.59	88.24	0.54	9.13	≤23.98	PASS
11AX80SISO	Ant1	5210	8.44	88.24	0.54	8.98	≤23.98	PASS

Note: The Duty Cycle Factor is compensated in the graph.

Appendix D.5: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	3.34	≤11.00	PASS
		5200	3.42	≤11.00	PASS
		5240	2.87	≤11.00	PASS
11N20SISO	Ant1	5180	2.85	≤11.00	PASS
		5200	3.00	≤11.00	PASS
		5240	3.17	≤11.00	PASS
11N40SISO	Ant1	5190	0.15	≤11.00	PASS
		5230	-0.18	≤11.00	PASS
11AC20SISO	Ant1	5180	2.47	≤11.00	PASS
		5200	3.83	≤11.00	PASS
		5240	2.48	≤11.00	PASS
11AC40SISO	Ant1	5190	0.02	≤11.00	PASS
		5230	-0.44	≤11.00	PASS
11AC80SISO	Ant1	5210	-2.59	≤11.00	PASS
11AX20SISO	Ant1	5180	6.40	≤11.00	PASS
		5200	6.47	≤11.00	PASS
		5240	6.33	≤11.00	PASS
11AX40SISO	Ant1	5190	3.95	≤11.00	PASS
		5230	3.41	≤11.00	PASS
11AX80SISO	Ant1	5210	0.94	≤11.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



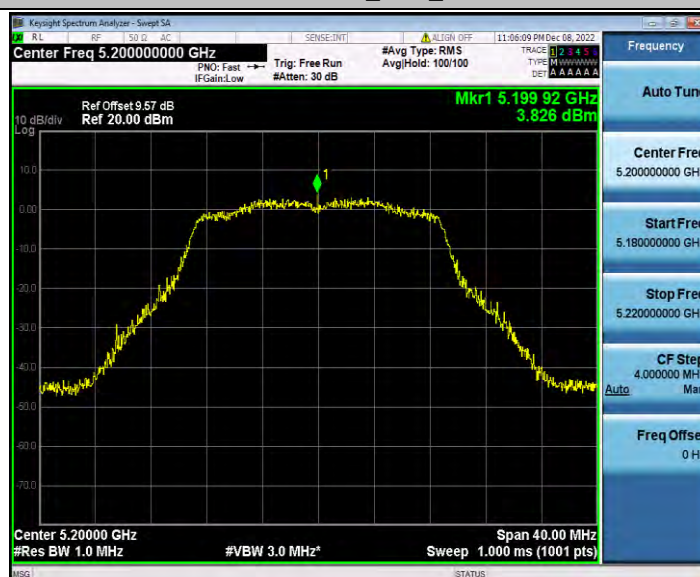
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210

